OVirt

oVirt on a stick – hands on lab

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Overview



- Concepts and aim
- Installation
- Run my VM
- What can I do with it
- Portals
- APIs



oVirt Live USB concepts



- Live Fedora spin
- Demo/POC purposes
- Don't overload: storage=memory
- Requirements: VT/AMD-v 4/8GB ram
- Stateless
- Boot from USB and let's start playing



Structure



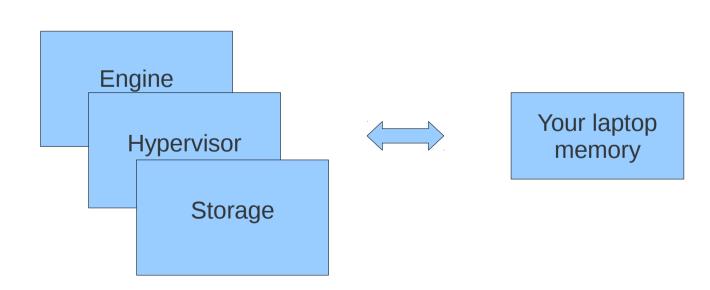
Scalable deployment-

Engine

Hypervisor

Storage

All In One USB deployment-



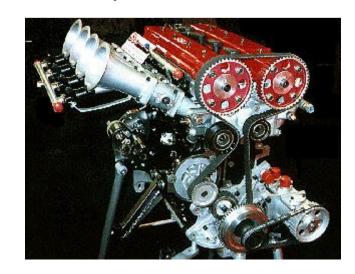


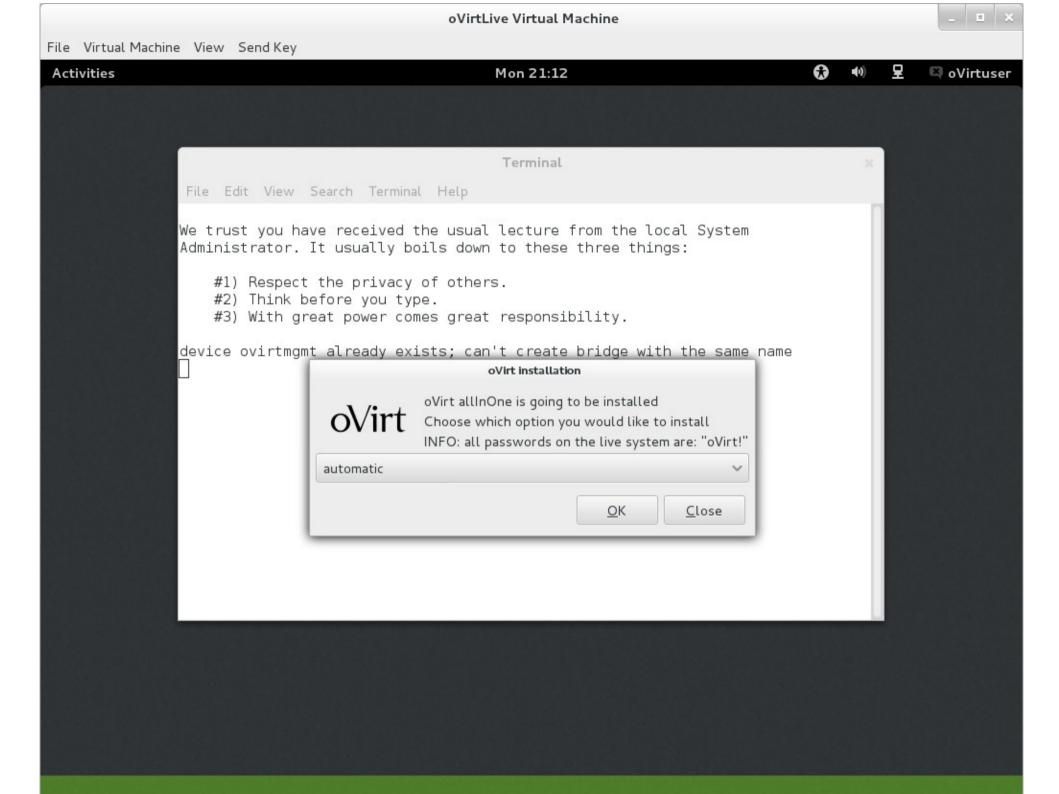
engine-setup

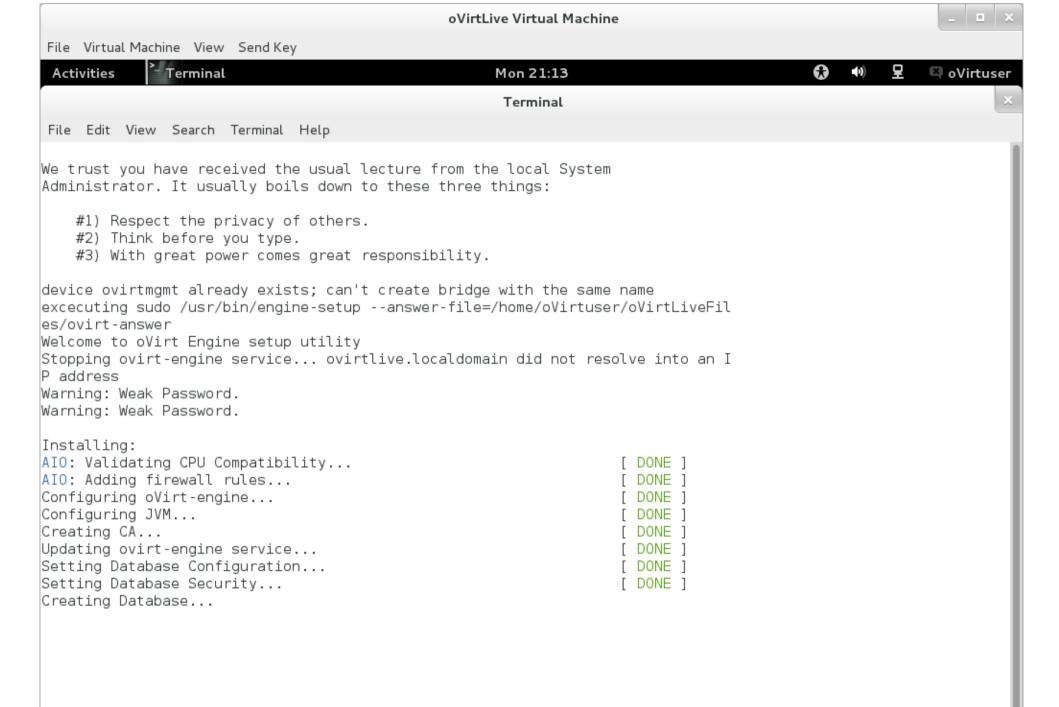


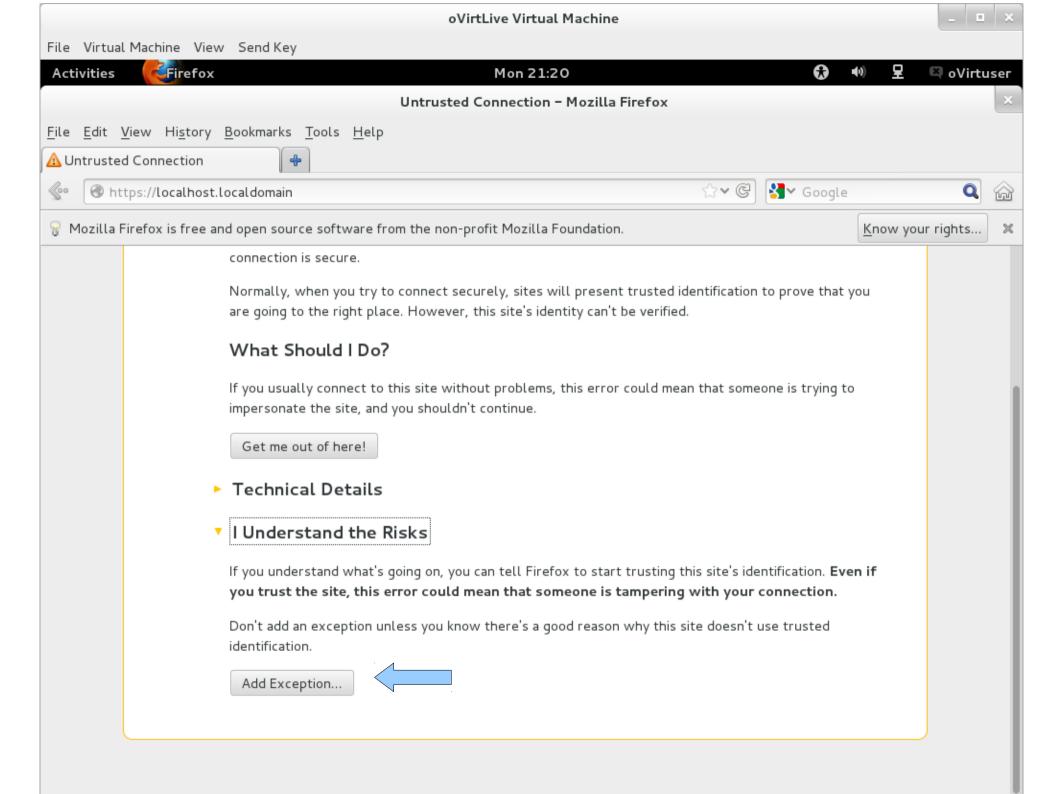
- Ensure the laptop is connected to the guest wireless!
 - **HIDDEN SSID**: netapp
- setup automatically or interactive should take around 4 minutes
- Watch through the process
 - Basic installation
 - CA, Jboss, Database, default entities, iptables, httpd
 - All in one plugin
 - Local storage, local host
 - oLive plugin
 - Attach iso,copy iso files,create vm

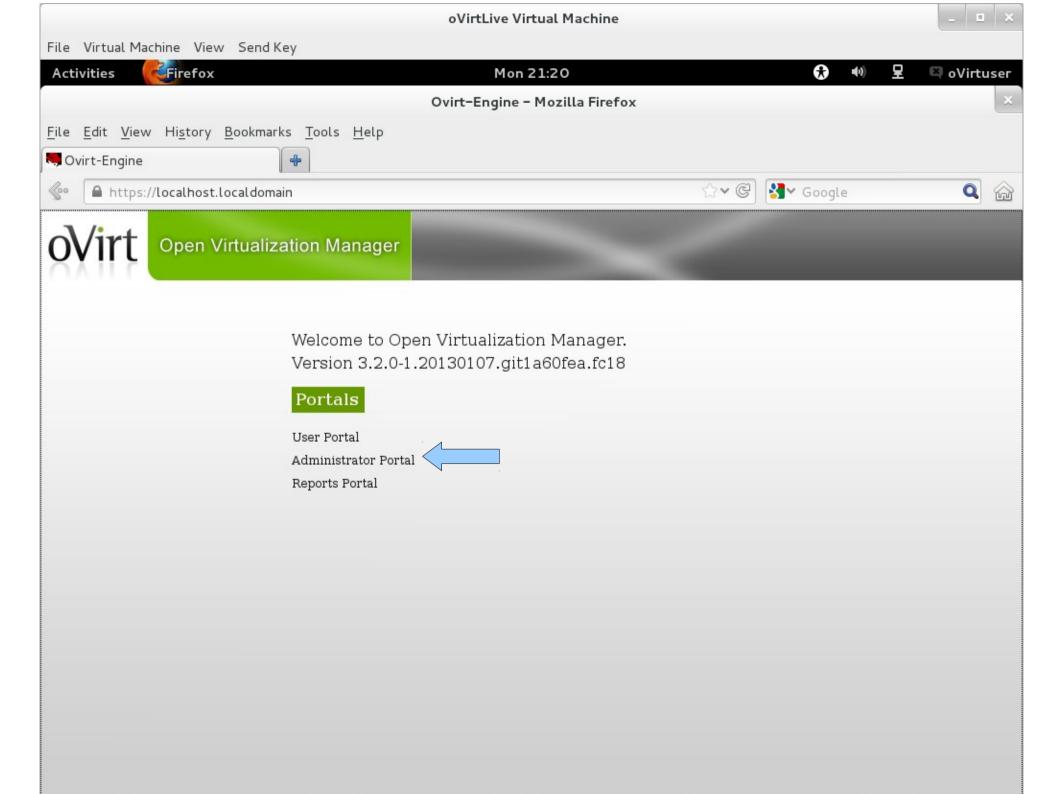


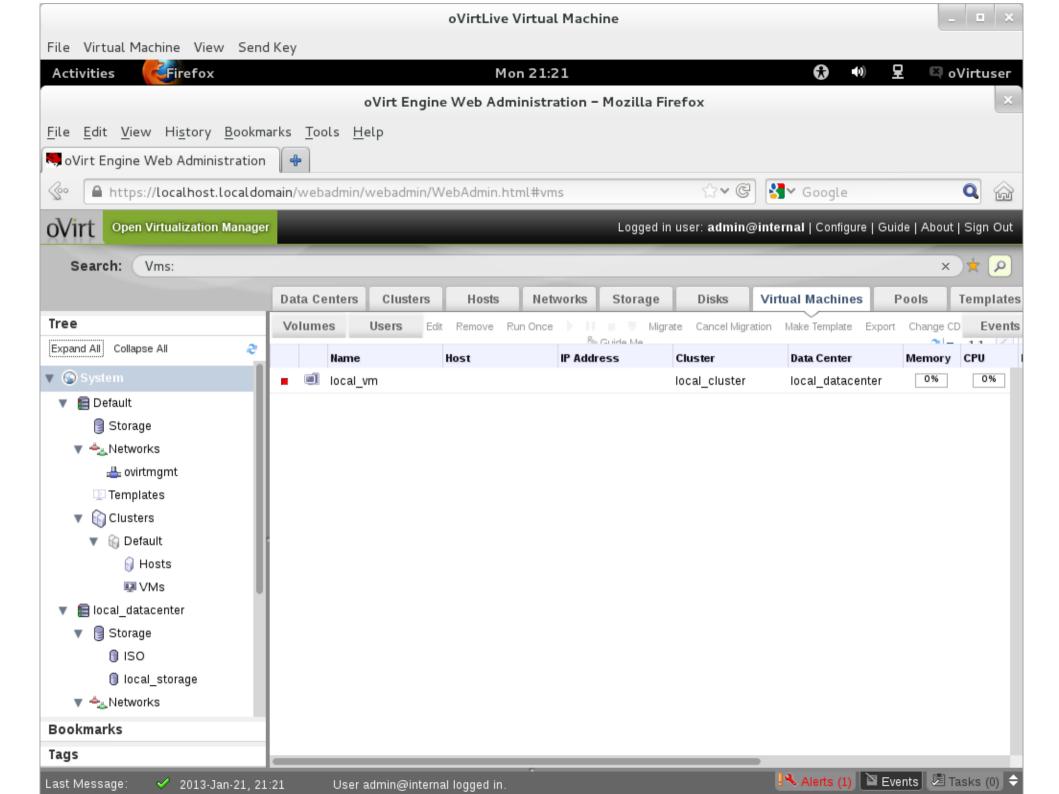


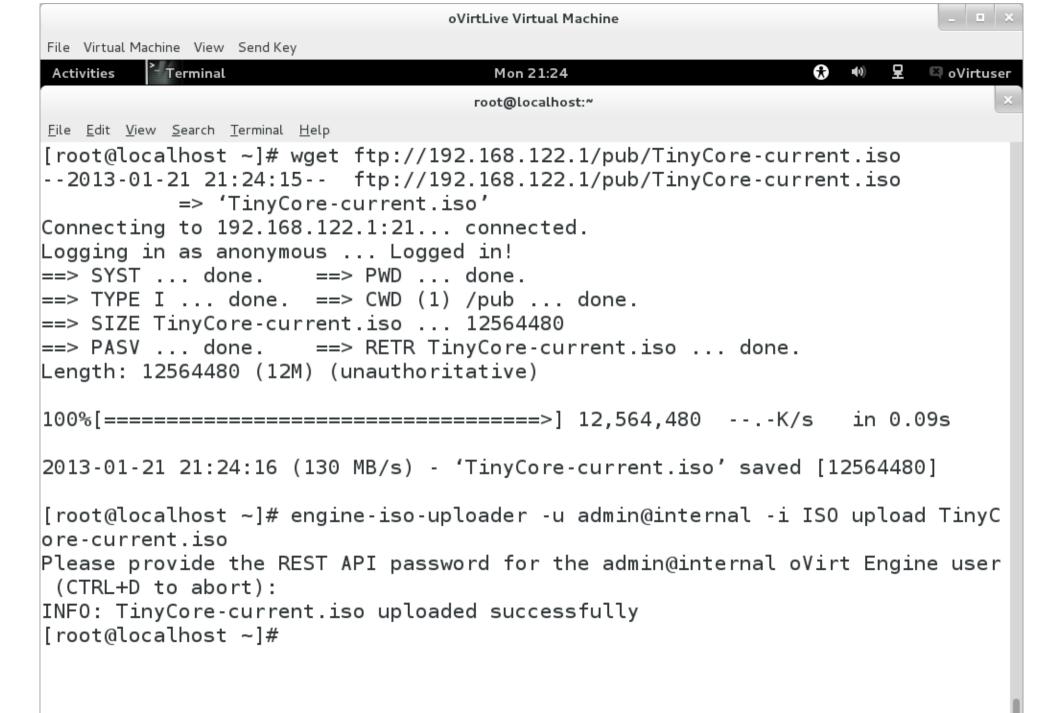


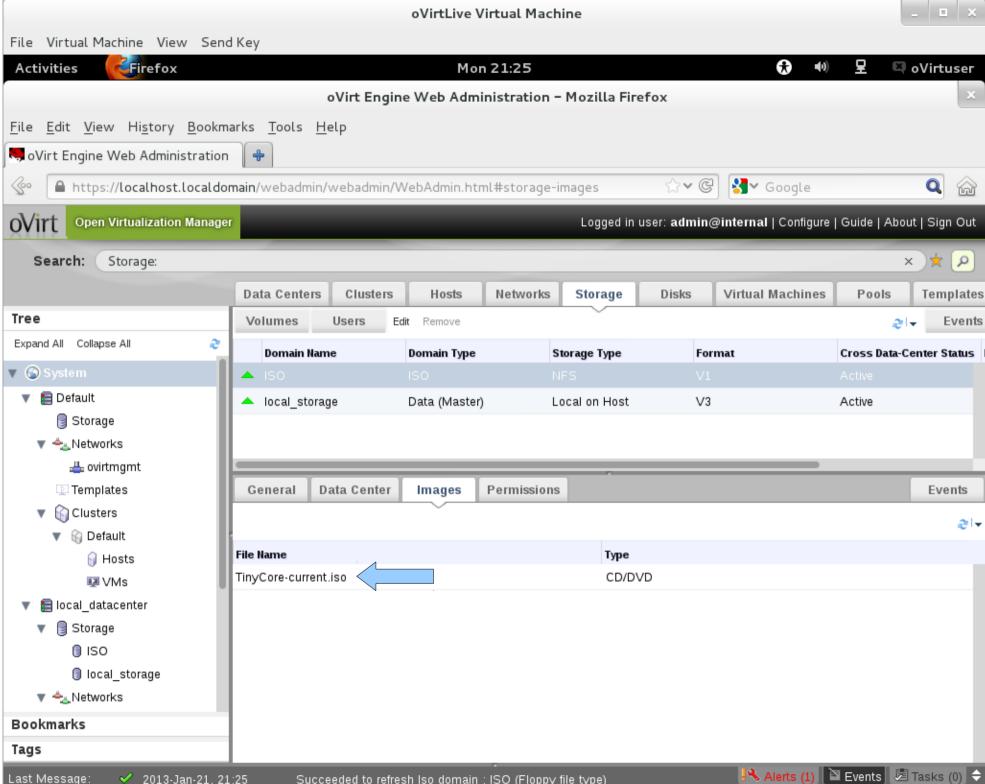


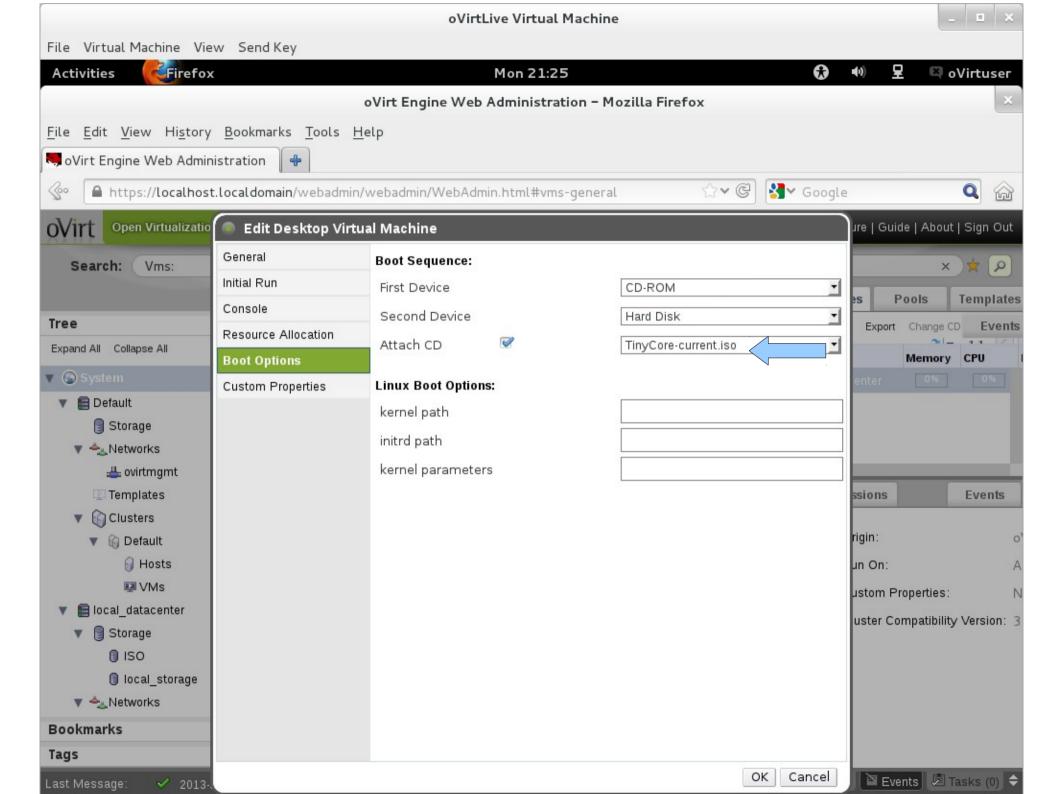


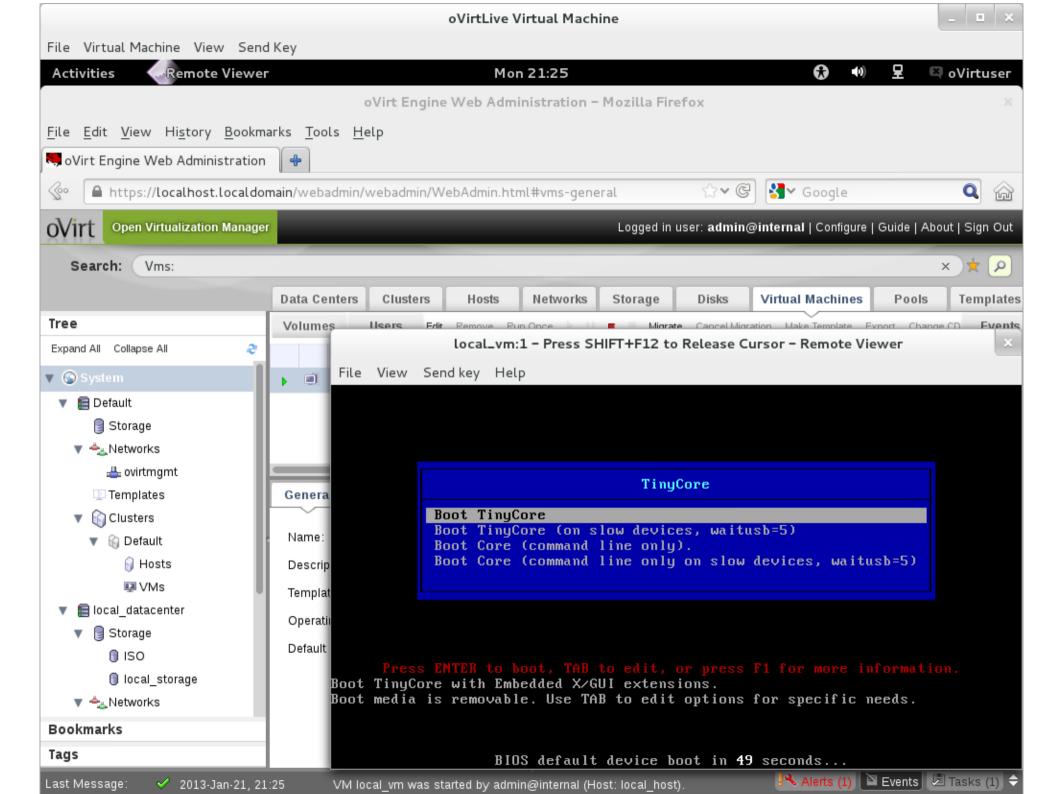












engine-iso-uploader

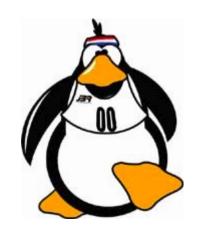


- Let's download a TinyCore image and upload it to the ISO domain
- Make sure your computer is on the netapp wireless network
- Step 1: become root (or interactive sudo)
 - sudo -i
- Step 2: copy image from lab FTP service
 - wget ftp://10.55.54.75/pub/TinyCorecurrent.iso
- Step 3: upload image
 - engine-iso-uploader -u admin@internal -i
 ISO upload TinyCore-current.iso

Ok, let's run a VM



- Login to admin console (admin/oVirt!)
- Edit your VM and attach the TinyCore ISO
- Run your VM
- Open spice console
- Play around





User portal-let's have a look



- Using admin portal add a user role permission to one of the VMs
- Login to user portal
- Play around basic/advance view





Vm life cycle



- Snapshot (live or not)
- Suspend a VM
- Restore it
- Change cd
- Stop/kill the vm



RESTfull API



http(s)://server:port/api/aaa/xxx-xxx/bbbb/yyy-yyy

1

- 2
- 3 4
- 5
- 6
- 7

- 1. protocol
- 2. server details
- 3. entry point (base resource)
- 4. collection
- 5. resource
- 6. sub-collection
- 7. sub-resource
- Browse to:
 - https://localhost.localdomain/api





THANK YOU!

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